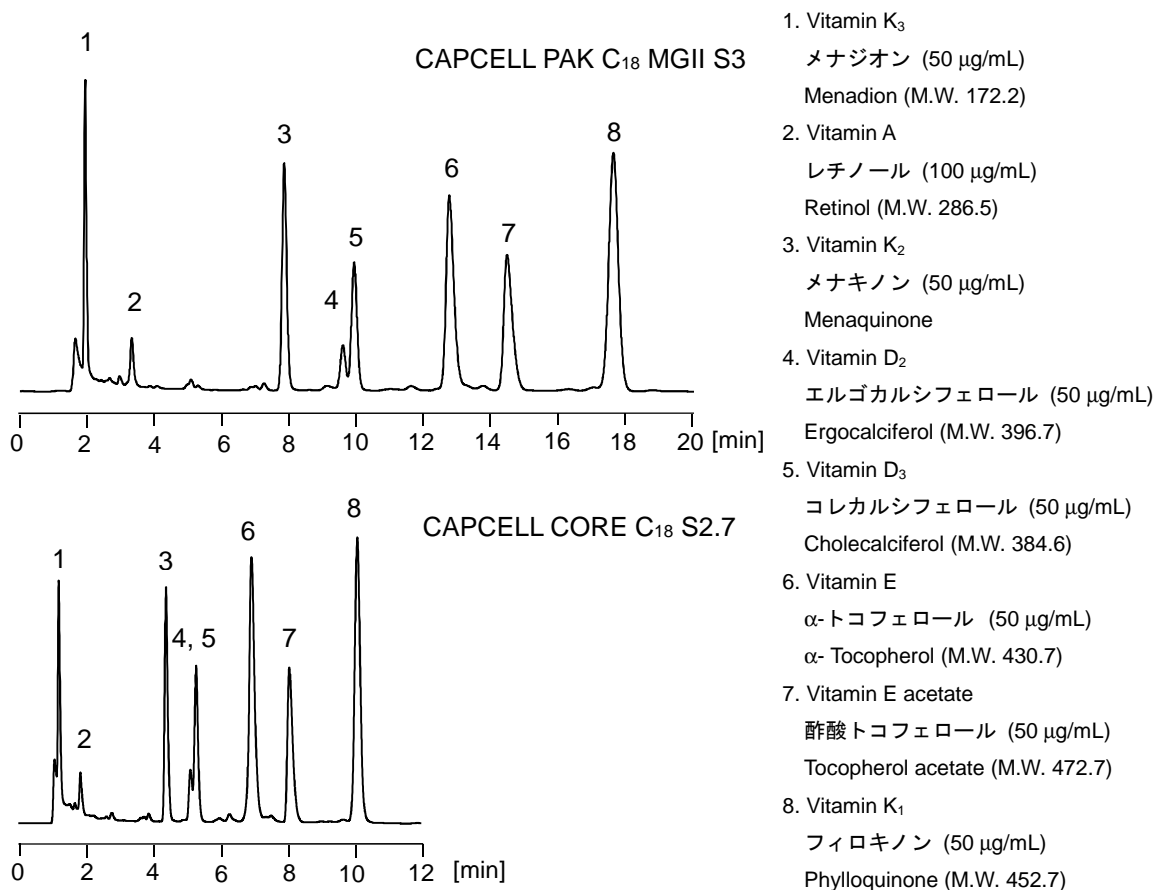


## 脂溶性ビタミン

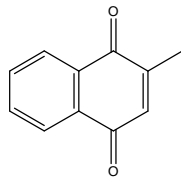
## Fat-soluble vitamins

8成分の脂溶性ビタミンをCAPCELL PAK C<sub>18</sub> MGII S3及びCAPCELL CORE C<sub>18</sub> S2.7で分析した例を示します。CAPCELL CORE C<sub>18</sub> S2.7を用いることで、分離を維持しながら、分析時間の短縮が可能です。

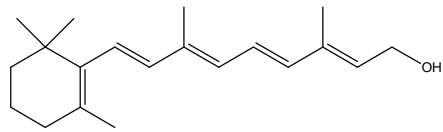


### 【HPLC Conditions】

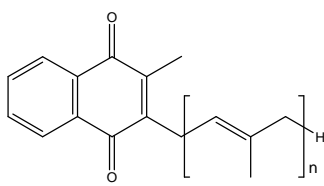
Column	: CAPCELL PAK C <sub>18</sub> MGII S3 ; 2.0 mm i.d. x 150 mm : CAPCELL CORE C <sub>18</sub> S2.7 ; 2.1 mm i.d. x 100 mm
Mobile phase	: CH <sub>3</sub> CN
Flow rate	: 200 µL/min
Temperature	: 40 °C
Detection	: PDA 254 nm
Inj. vol.	: 2 µL
Sample dissolved in	: Vitamin K <sub>2</sub> and vitamin E were separately dissolved in 2-propanol. Vitamin K <sub>3</sub> , vitamin E acetate and vitamin D <sub>2</sub> were separately dissolved in ethanol. The other compounds were dissolved in CH <sub>3</sub> OH, and mixed together, diluted with CH <sub>3</sub> CN at 50 or 100 µg/mL.



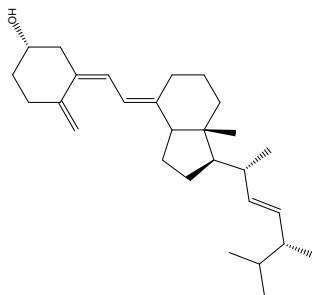
1. Vitamin K<sub>3</sub>  
メナジオン (50 µg/mL)  
Menadiol (M.W. 172.2)



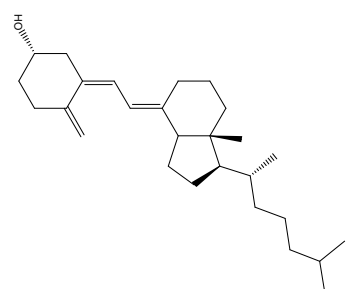
2. Vitamin A  
レチノール (100 µg/mL)  
Retinol (M.W. 286.5)



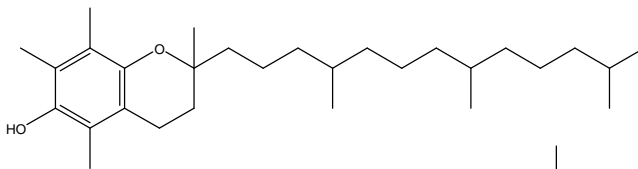
3. Vitamin K<sub>2</sub>  
メナキノン (50 µg/mL)  
Menaquinone



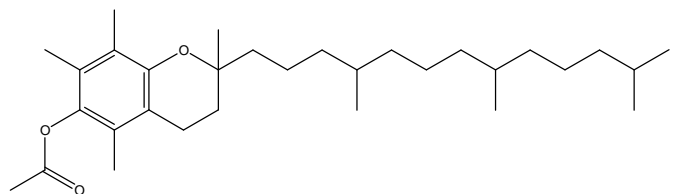
4. Vitamin D<sub>2</sub>  
エルゴカルシフェロール (50 µg/mL)  
Ergocalciferol (M.W. 396.7)



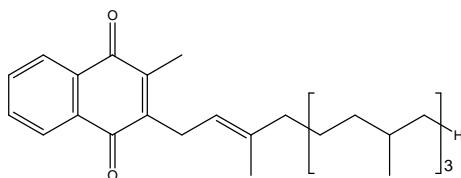
5. Vitamin D<sub>3</sub>  
コレカルシフェロール (50 µg/mL)  
Cholecalciferol (M.W. 384.6)



6. Vitamin E  
α-トコフェロール (50 µg/mL)  
α-Tocopherol (M.W. 430.7)



7. Vitamin E acetate  
酢酸トコフェロール (50 µg/mL)  
Tocopherol acetate (M.W. 472.7)



8. Vitamin K<sub>1</sub>  
フィロキノン (50 µg/mL)  
Phylloquinone (M.W. 452.7)